

FIG. 2

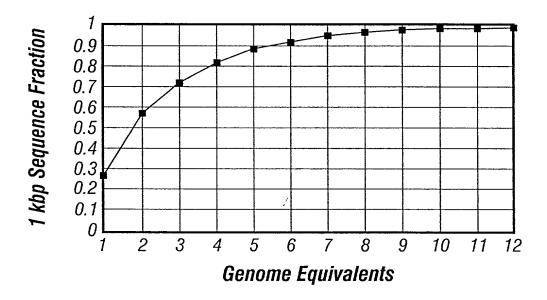


FIG. 3

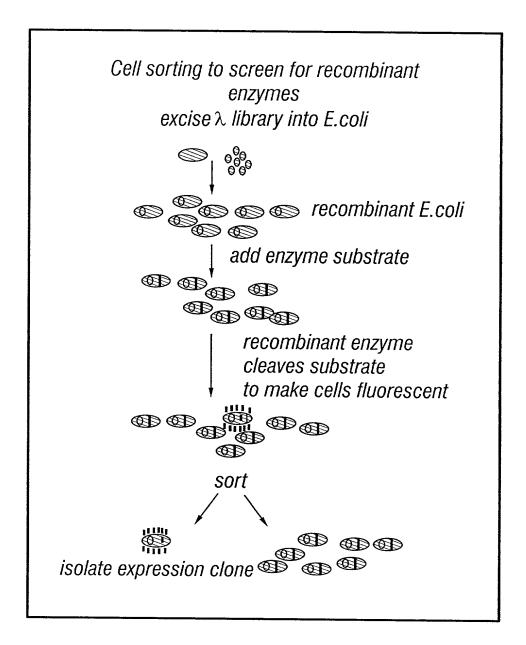


FIG. 4

β-Gal clone with different substrates

- cells were stained with FDG,
 CMFDG or
 C12FDG,
 incubated for 30 min. at 70°C,
 spotted onto a slide and exposed to UV light.
- bright spot indicates staining of cells



FDG

C12FDG

CMFDG

FIG. 5

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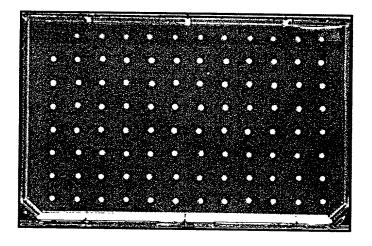


FIG. 6

$$R_1$$
 0 -Flour. $H_2\bar{0}$ R_1 0 - + -0-Flour -

FIG. 7

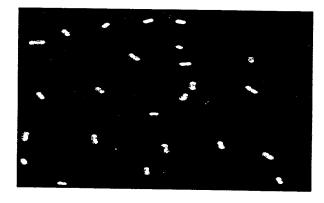


FIG. 8

$$H_3C(H_2C) \xrightarrow{C} O \xrightarrow{C} O CHCl_3$$
 Triethylamine N.N-Dilsopropylethylamine H $_3C(H_2C)_{10}$ $\xrightarrow{C} O CHCl_3$ Triethylamine N.N-Dilsopropylethylamine N.N-Dilsopropylethylamine

FIG. 11

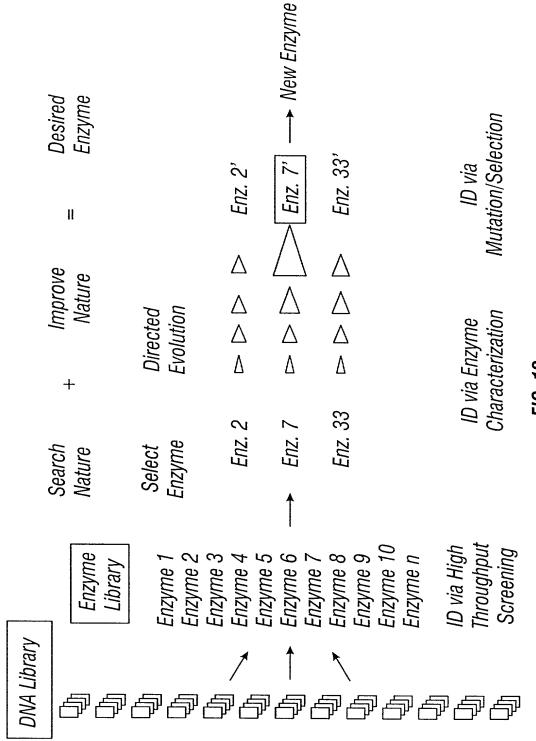


FIG. 12

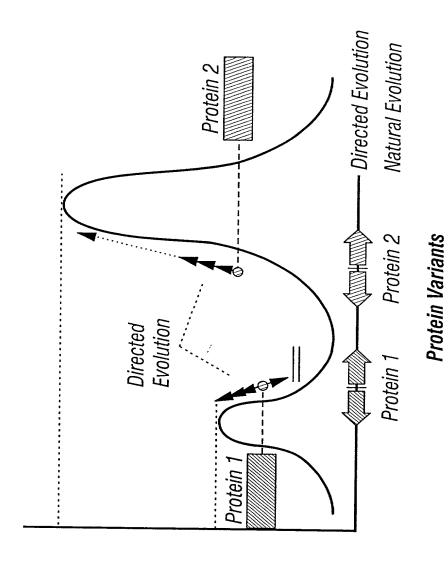


FIG. 13

Process Compatibility

Buffer Compatibility

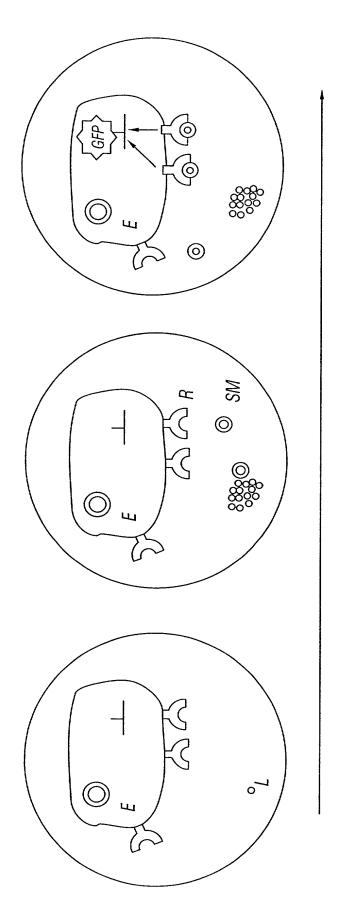
• Expression Level

Solvent Stability

• T Stability

Enzyme Activity

ЯеІатіче



Receptor binding of small molecule & GFP reporting

of small molecule from host

Growth and expression

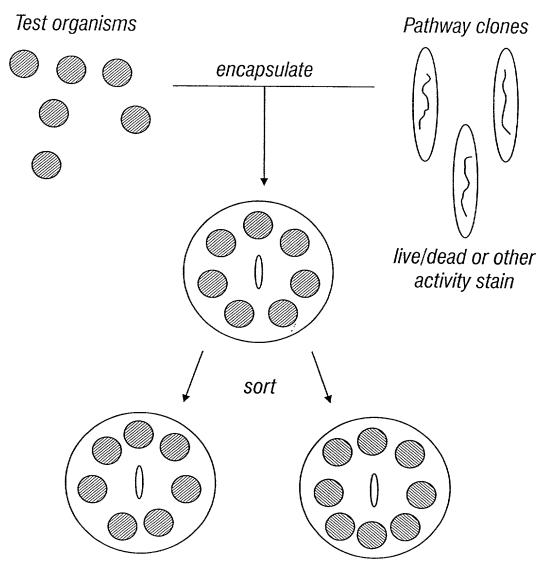
Co-encapsulation Library + Eukaryote

SM=Small molecule

GFP= Green fluorescent protein E=Eukaryotic assay organism

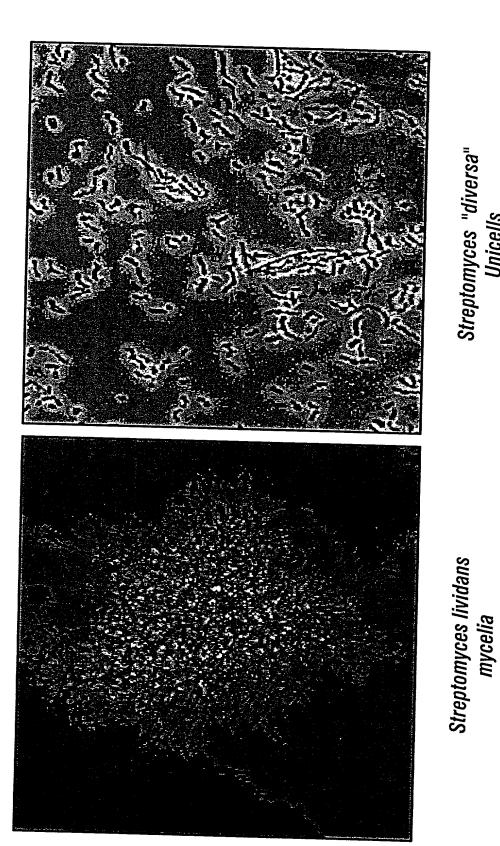
R=Eukaryotic receptor L=Large insert library

FIG. 14



bioactive expression (e.g. live/dead, groth rate, metabolic stains etc.)

FIG. 15



Streptomyces "diversa" Unicells

